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(54) Title: FLAME RETARDANT PRODUCTS

(57) Abstract: A composition of matter (host material) has embodied therein a flame retardant material which comprises a combination of a phosphorus containing material which decomposes to produce phosphoric acid when exposed to flame (e.g. ammonium polyphosphate and/or melamine phosphate) and an oxygenated heterocyclic thermoplastic resin (e.g. an aldehyde resin). A blowing agent (e.g. melamine) also may be included in the flame retardant material. The thermoplastic resin encapsulates the other ingredients thus masking the flame retardant melt blendable with the host material (e.g. thermoplastic polymers, thermosetting polymers, solvated systems, paper and reconstituted wood products) in which it is incorporated.